

FIG.1

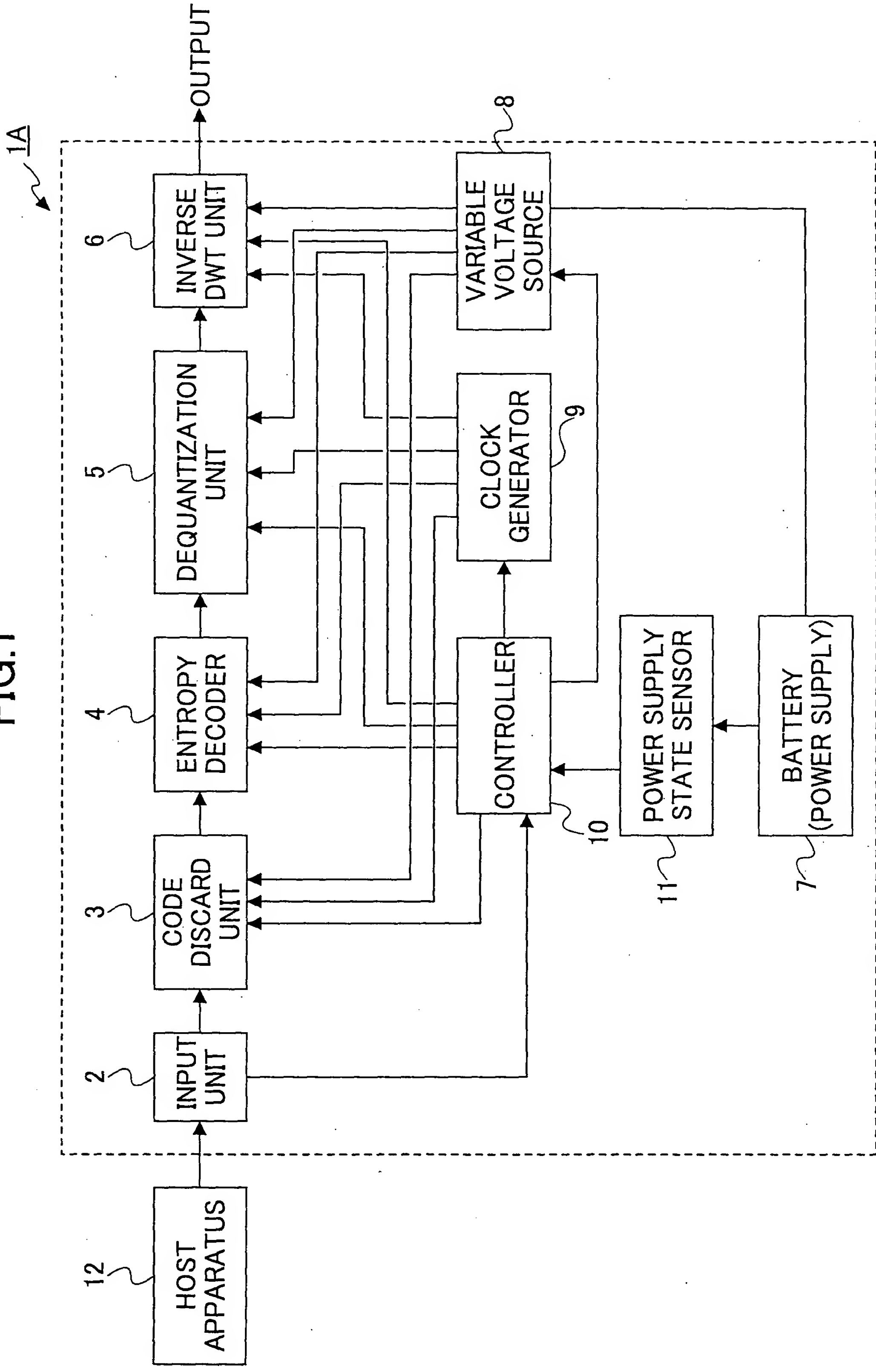


FIG.2

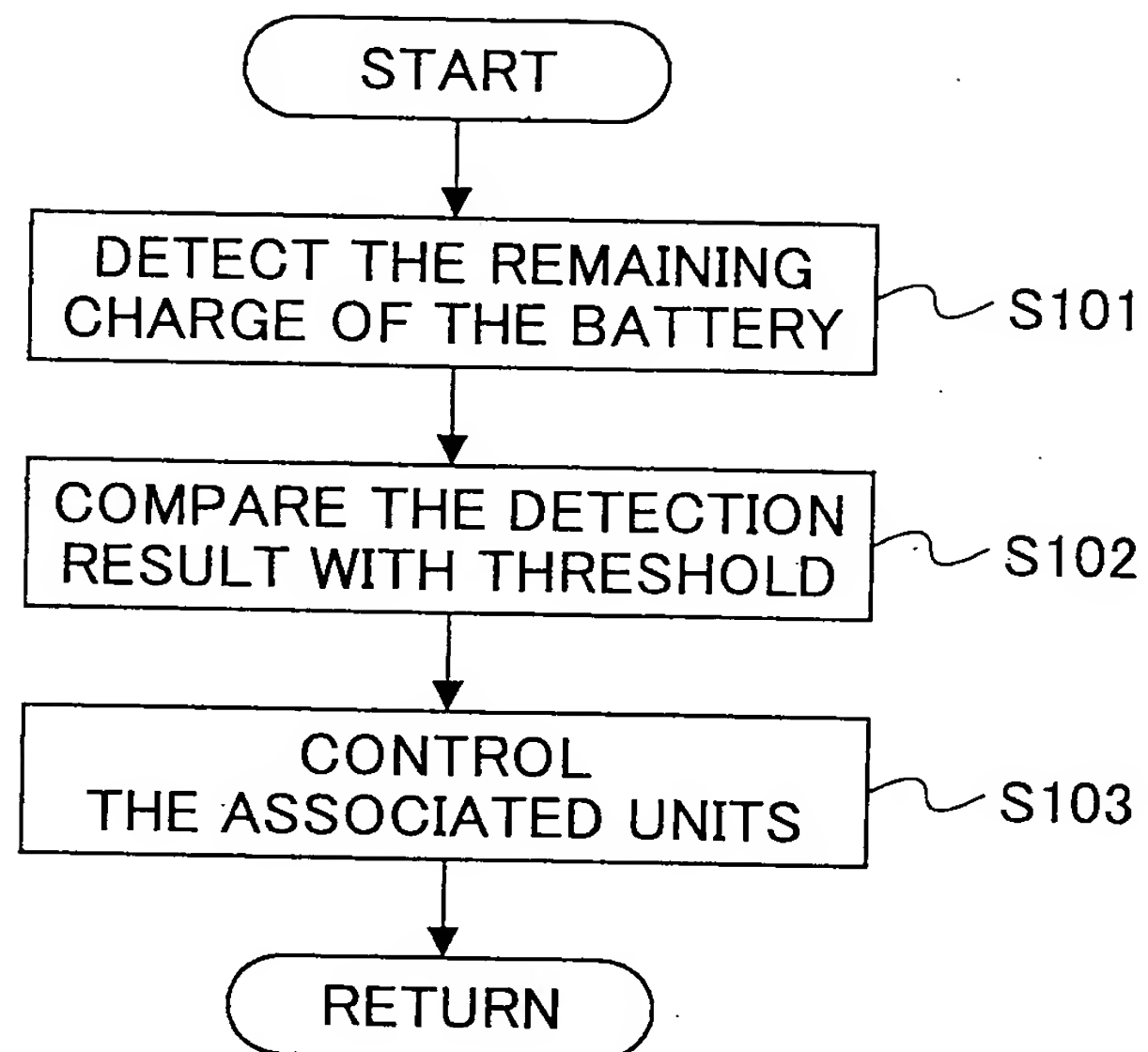


FIG.3

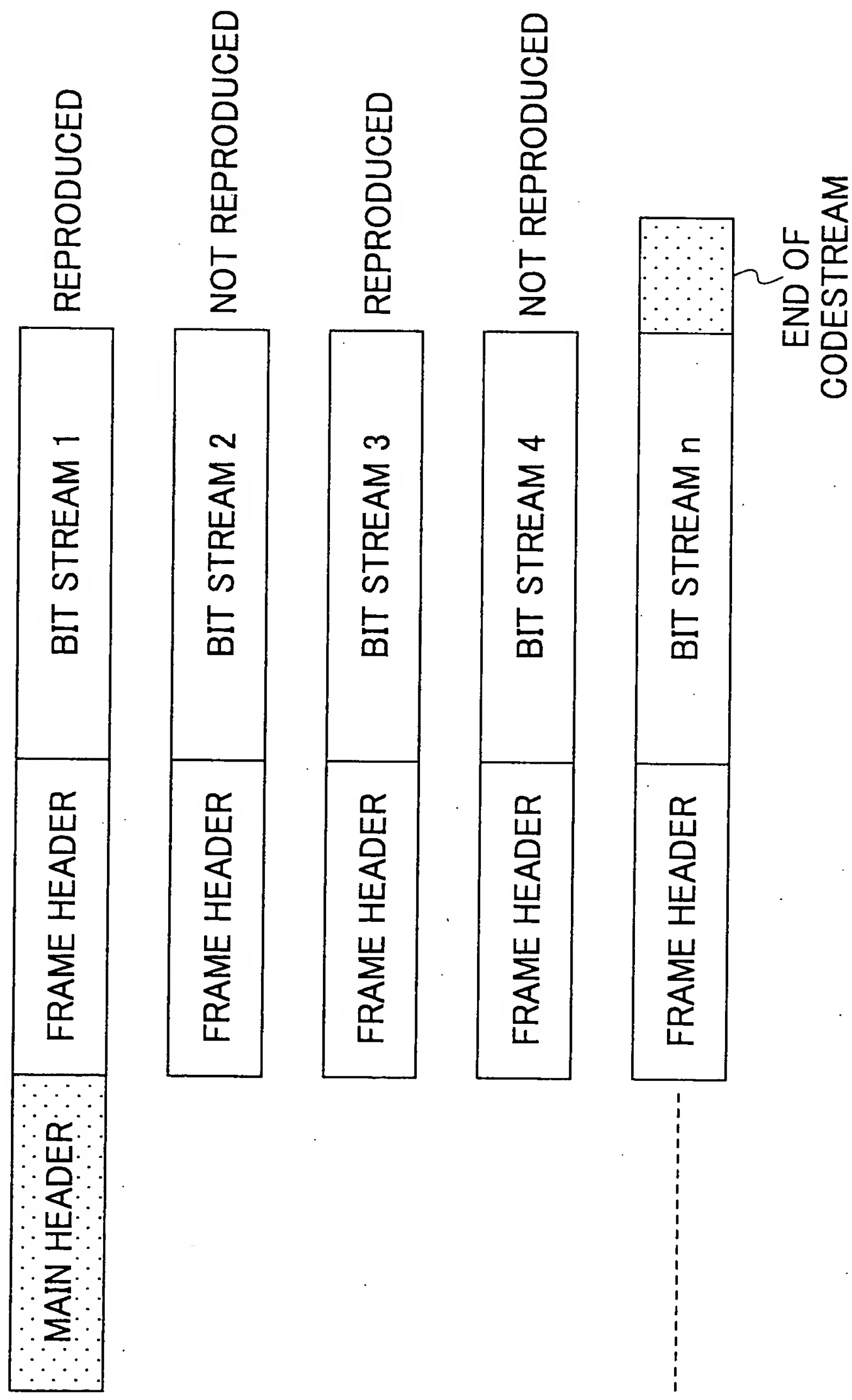


FIG.4

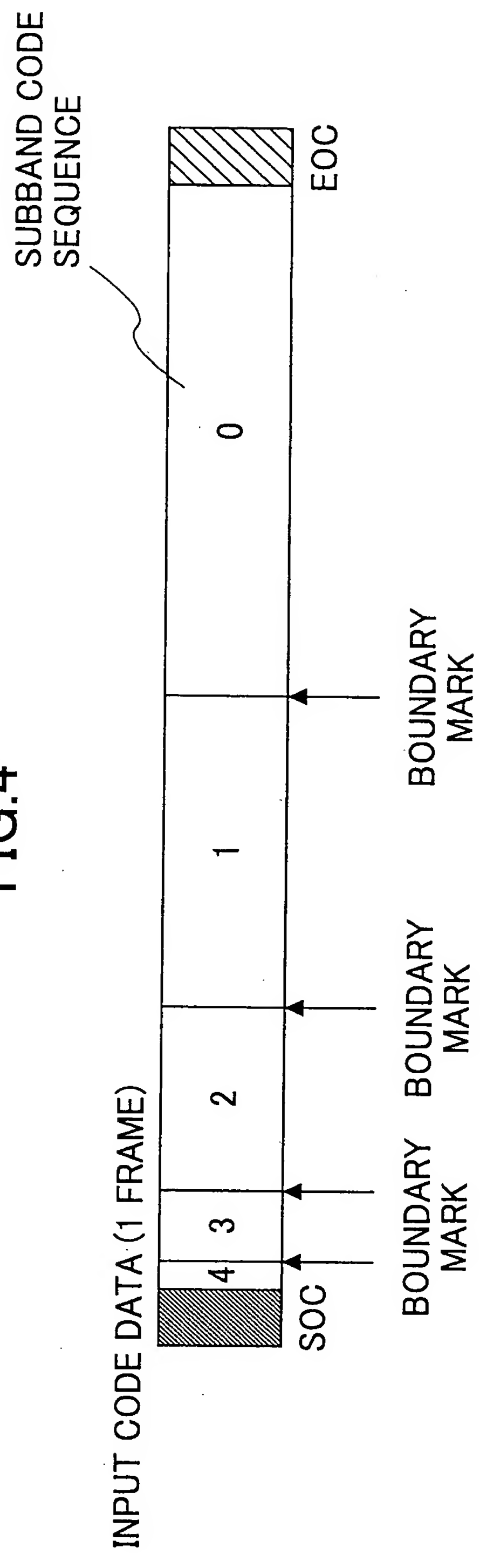


FIG.5

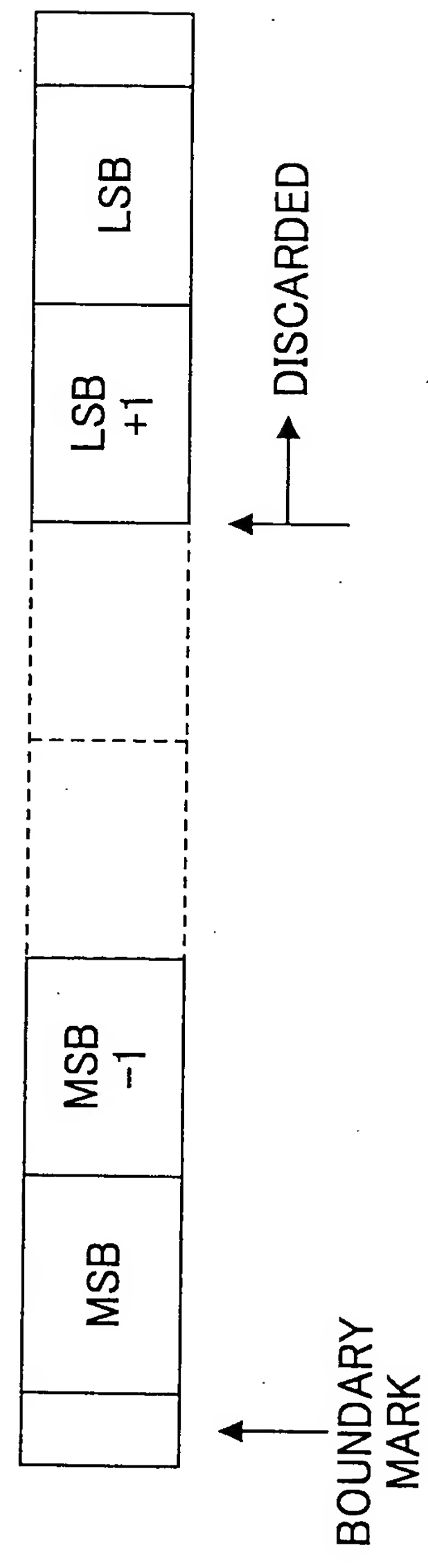


FIG.6A

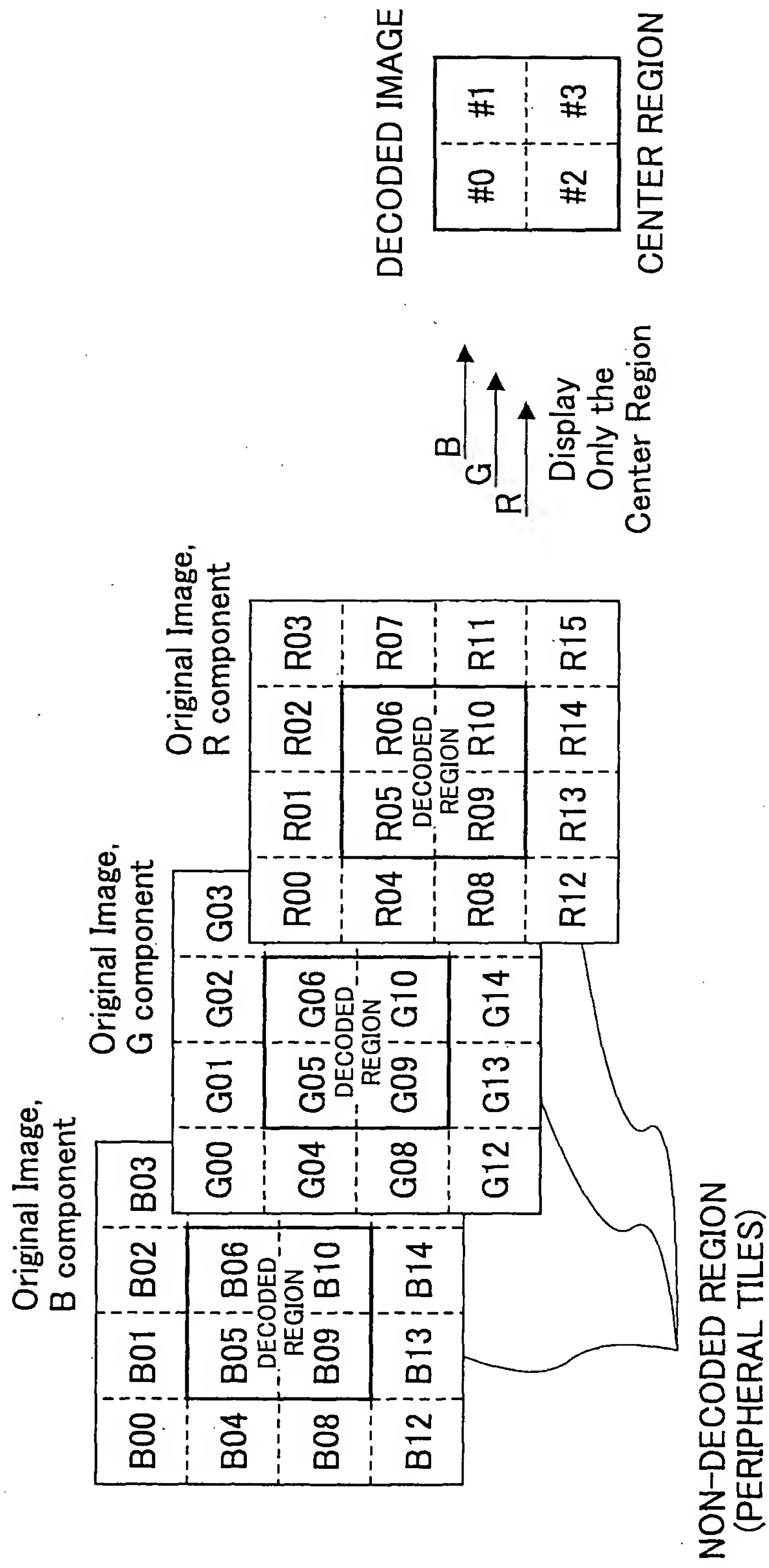


FIG.6B

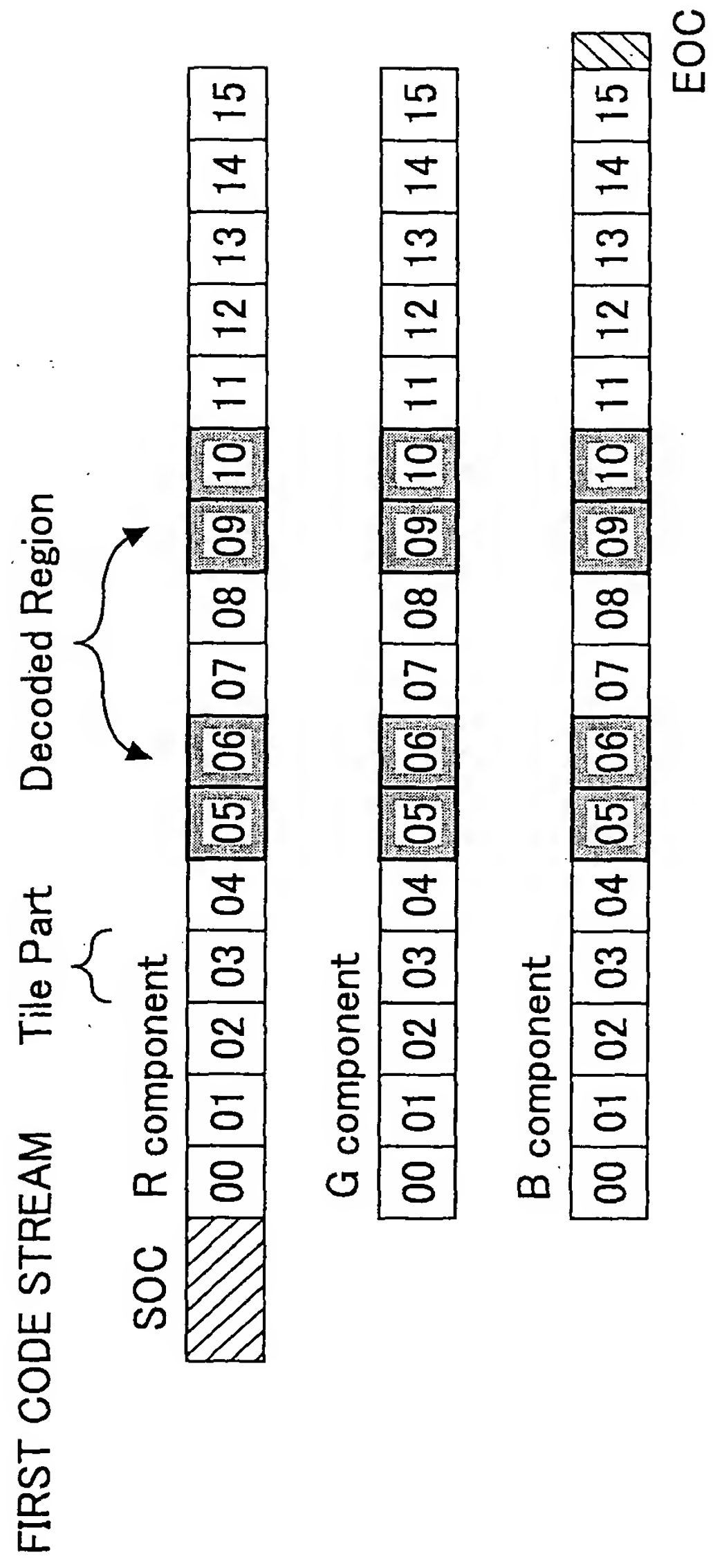


FIG. 7

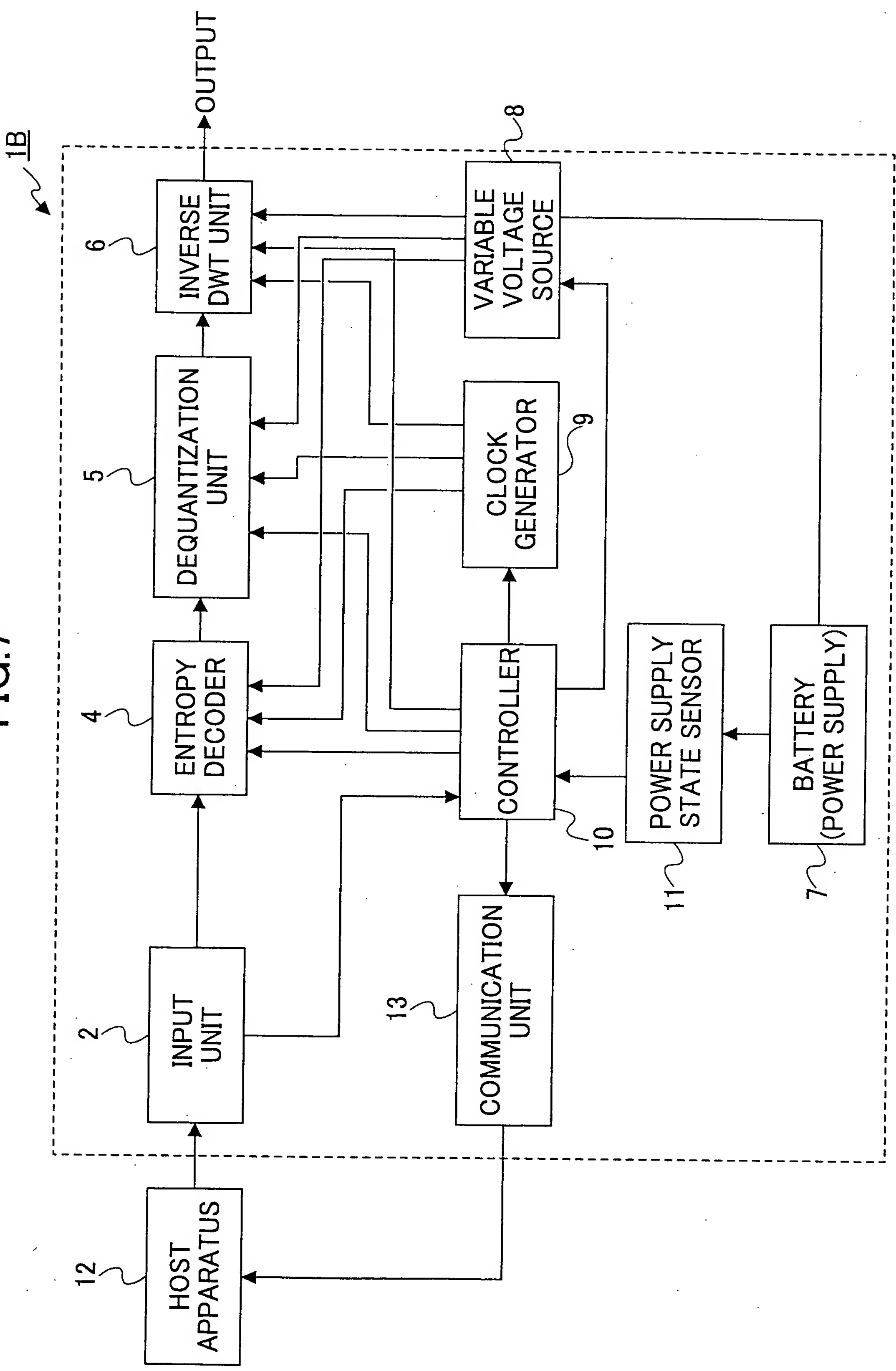


FIG.8

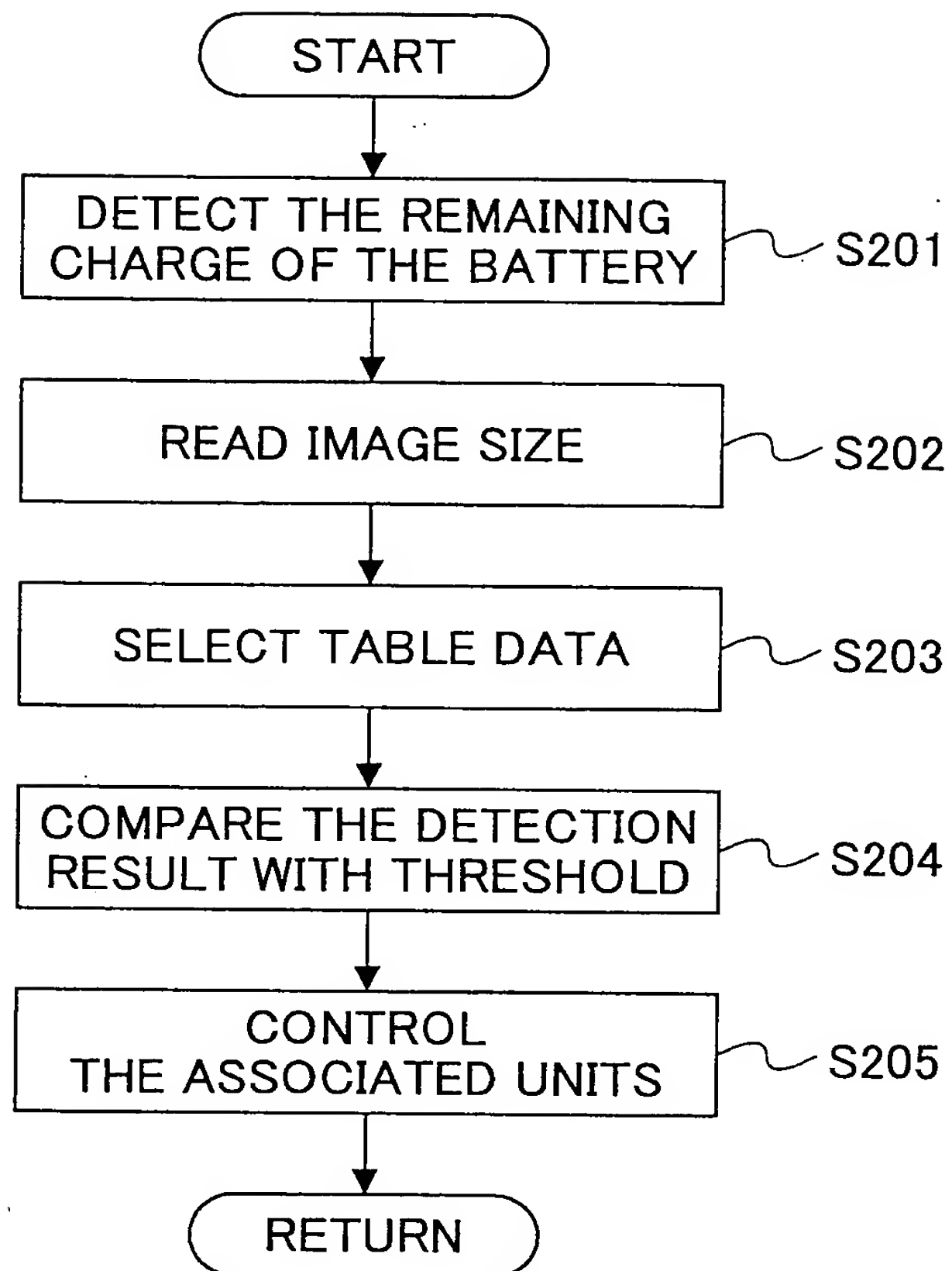


FIG.9

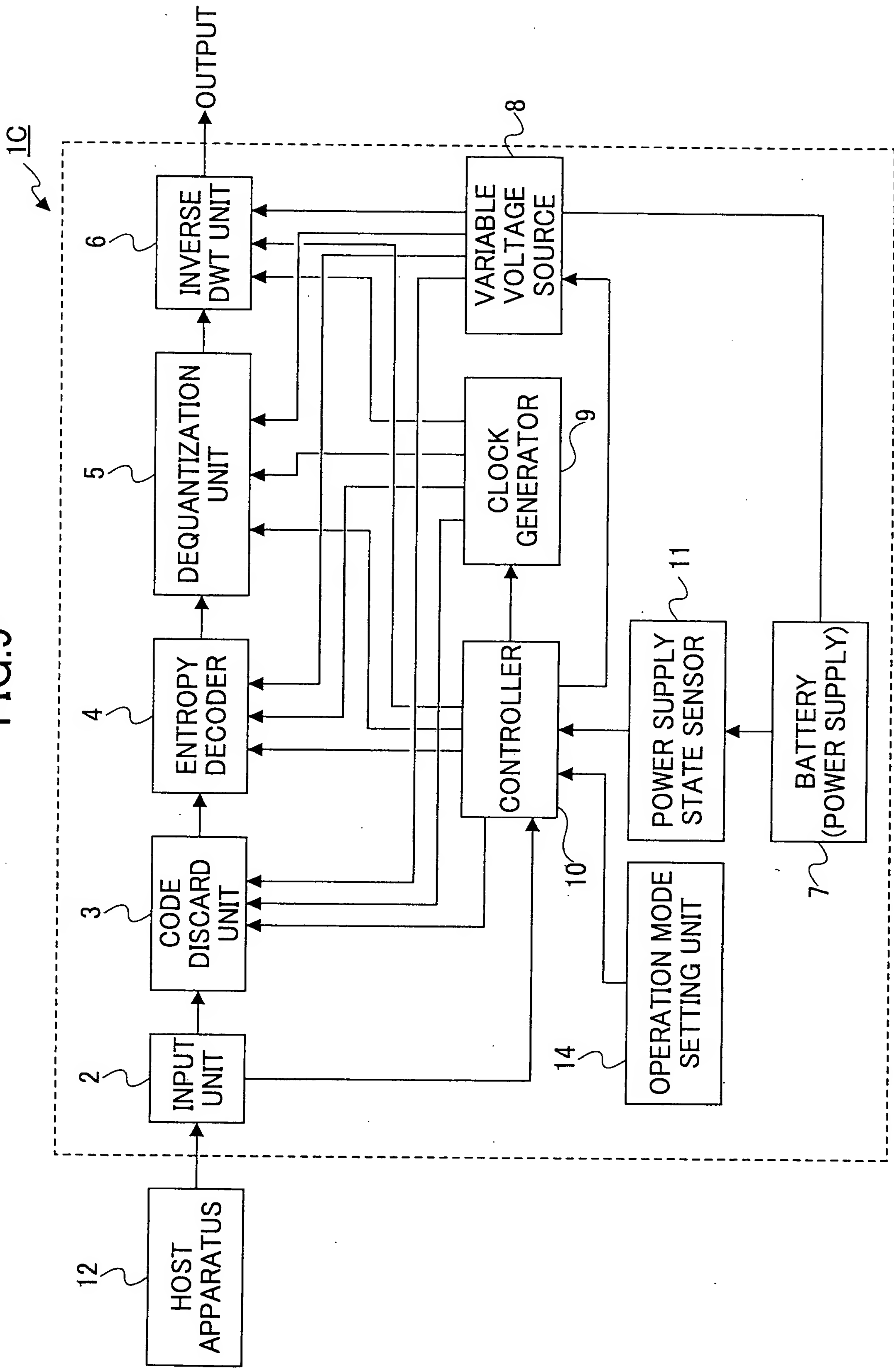


FIG.10

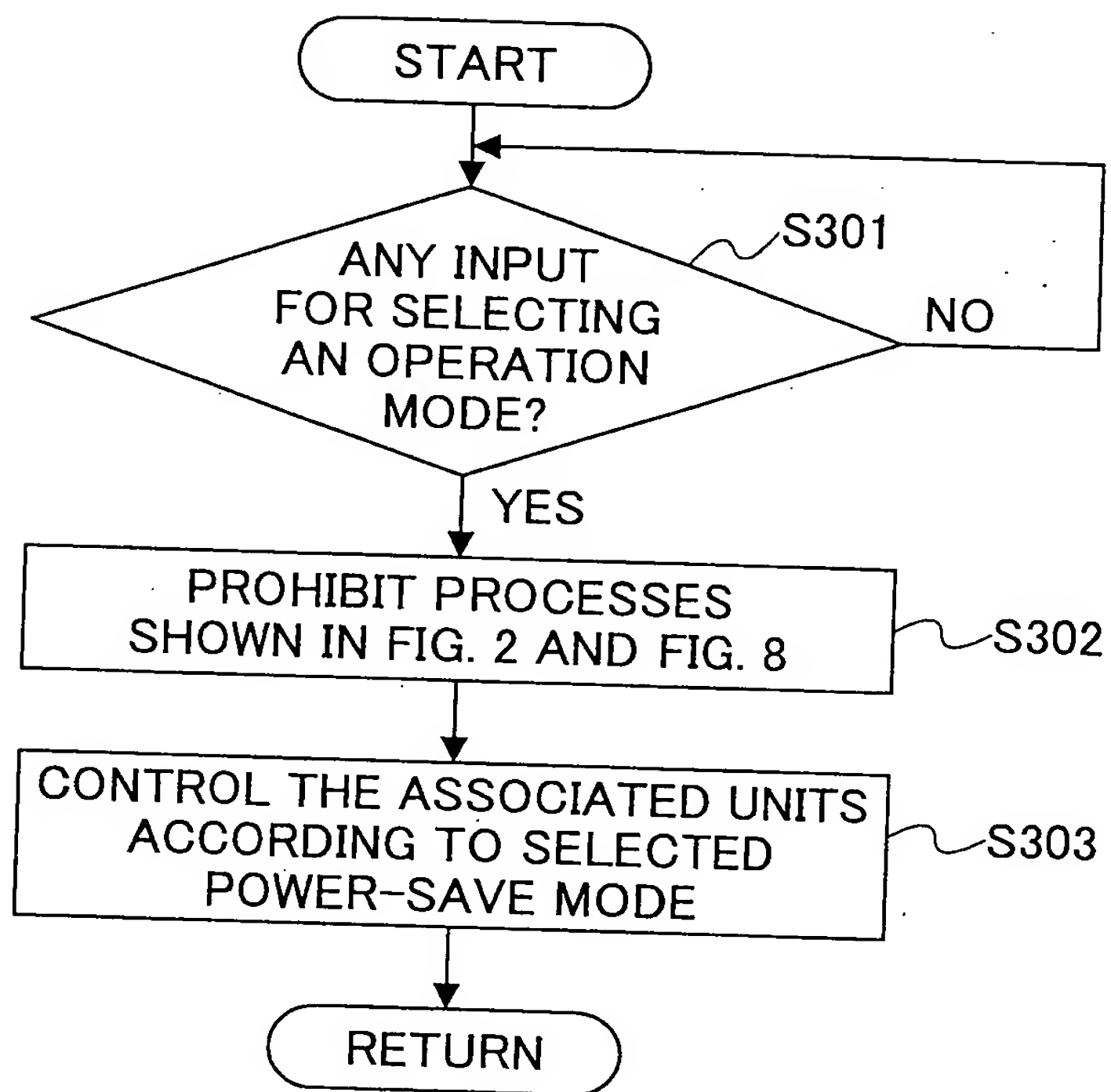


FIG.11

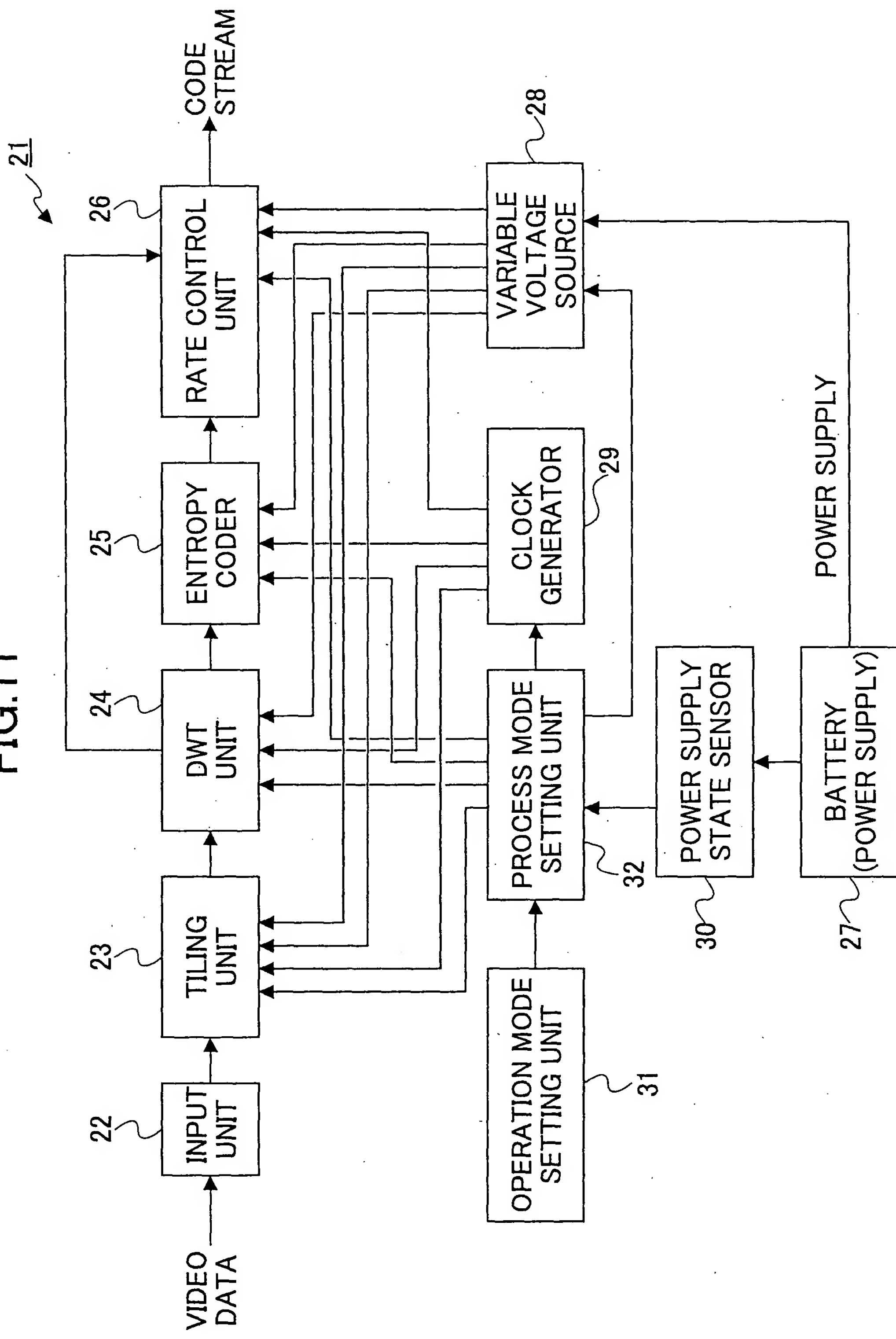


FIG.12

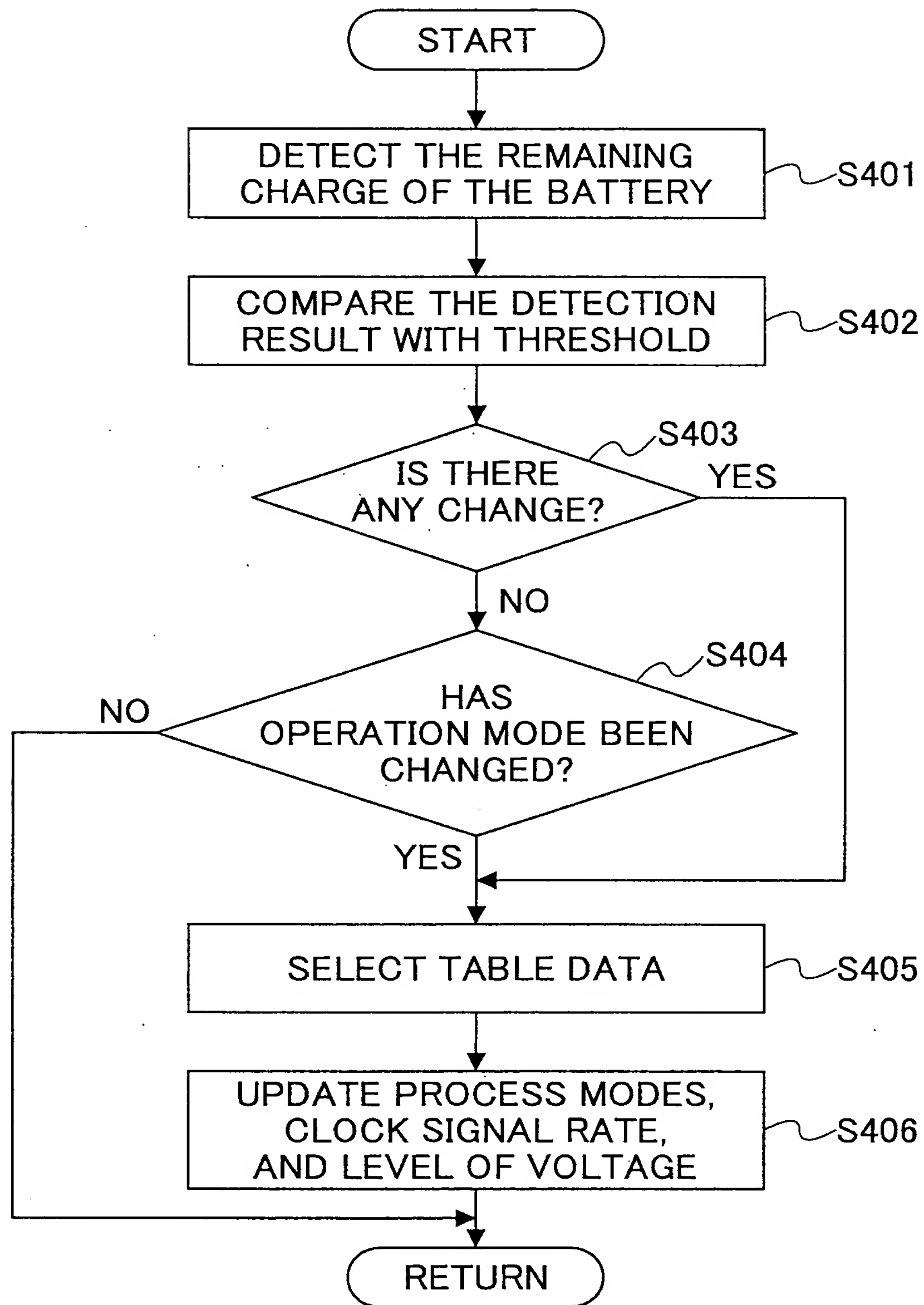


FIG.13

POWER SUPPLY STATE (OPERATION MODE)	PROCESS MODE	CLOCK	OUTPUT VOLTAGE
AC (ORDINARY MODE)	OVERLAP 9*7 (5-LEVEL) LAGRANGIAN RATE CONTROL	1/1 CLOCK	3.3V
BATTERY CHARGE SUFFICIENT (POWER-SAVE MODE 1)	OVERLAP 9*7 (5-LEVEL) PLAIN RATE CONTROL	1/1 CLOCK	3.3V NO POWER SUPPLY FOR LAGRANGIAN RATE CONTROL
BATTERY CHARGE INSUFFICIENT (POWER-SAVE MODE 2)	NON-OVERLAP 5*3 (3-LEVEL) PLAIN RATE CONTROL	3/4 CLOCK	3.1V

FIG.14

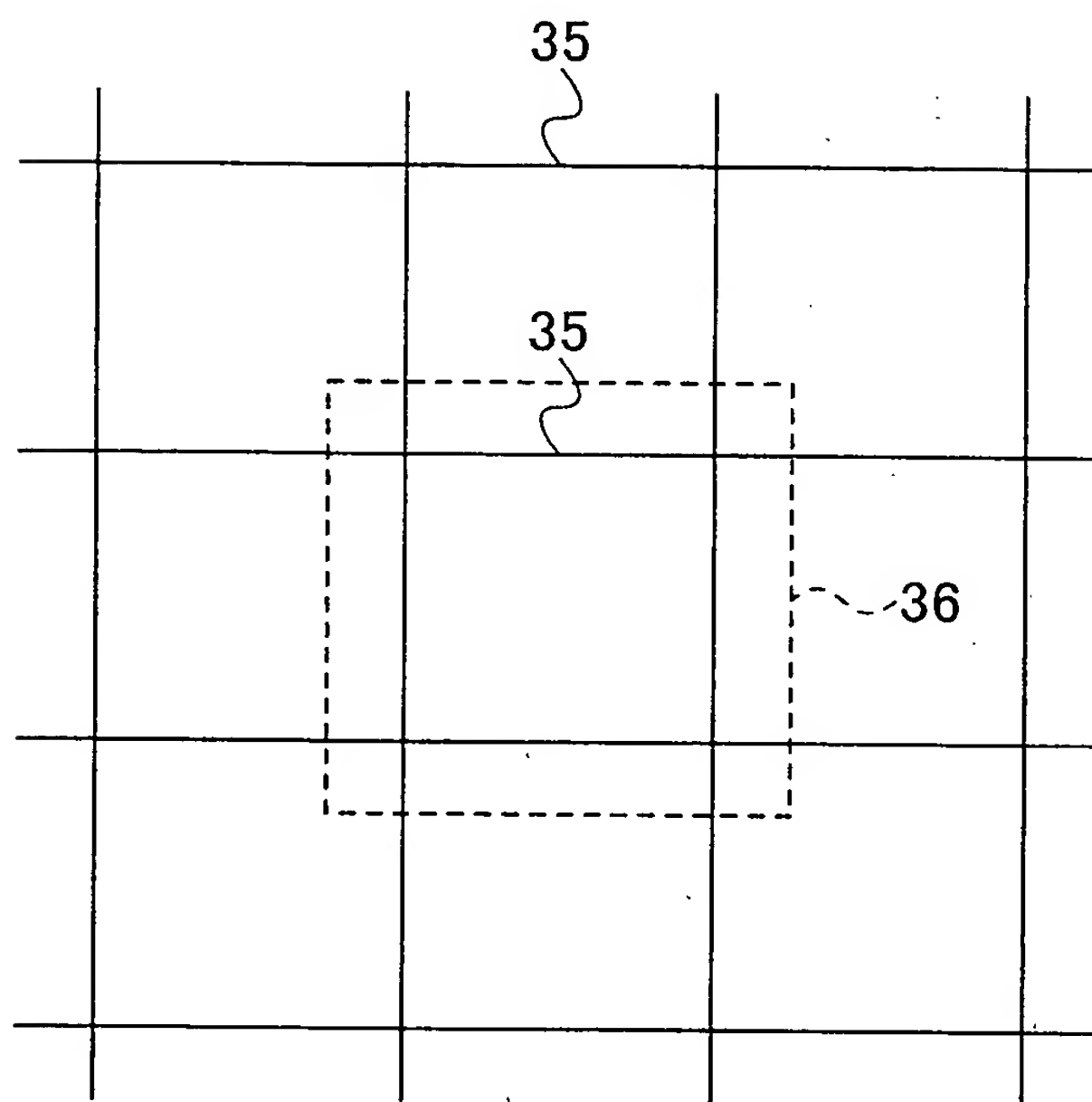


FIG.15A

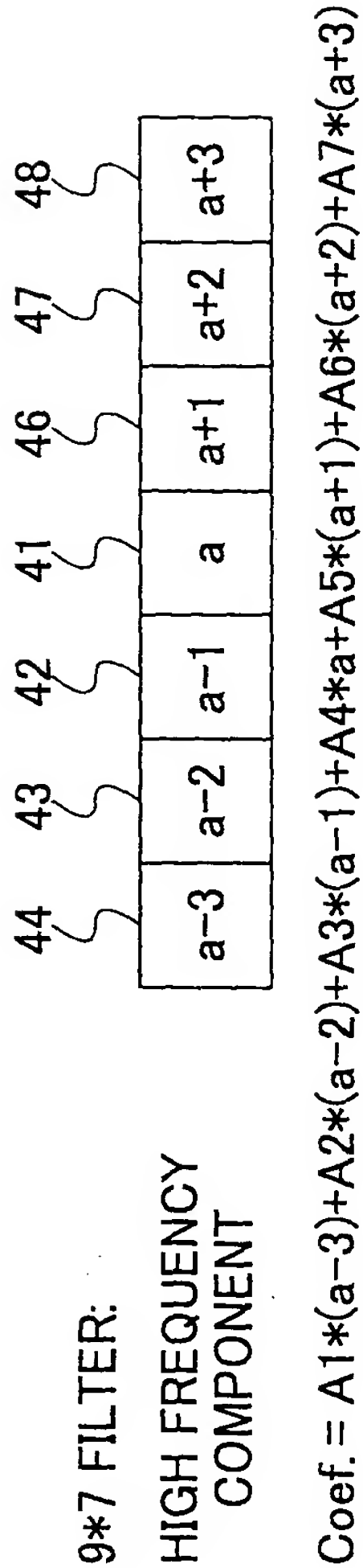


FIG.15B

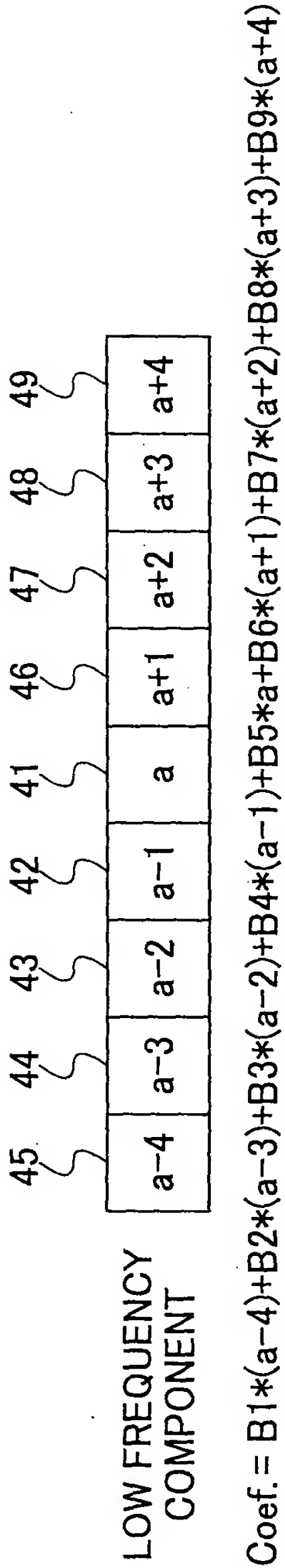


FIG.15C

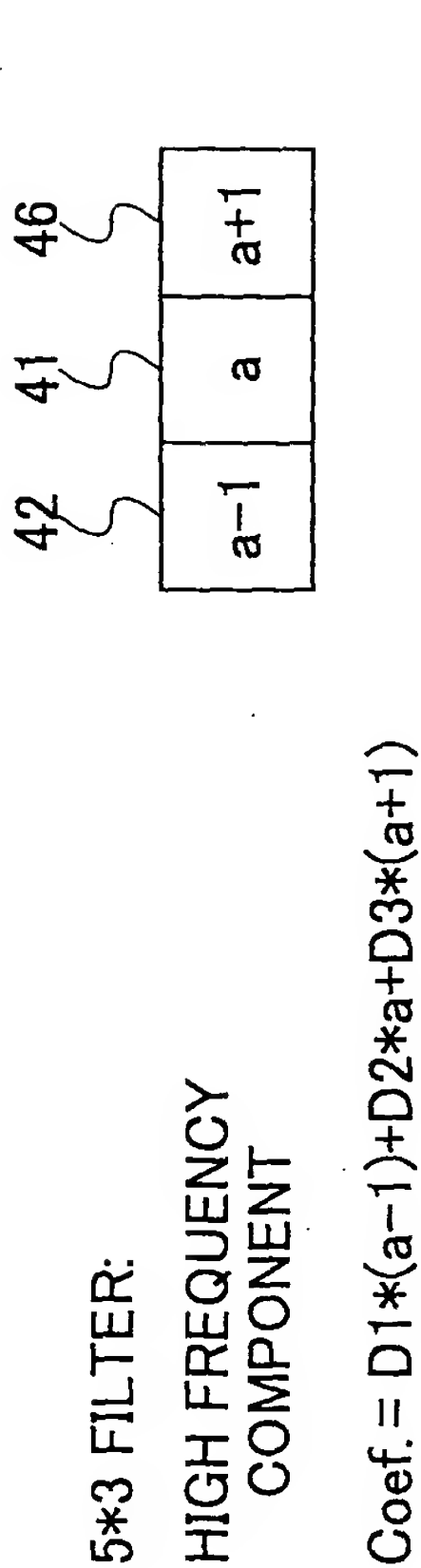


FIG.15D

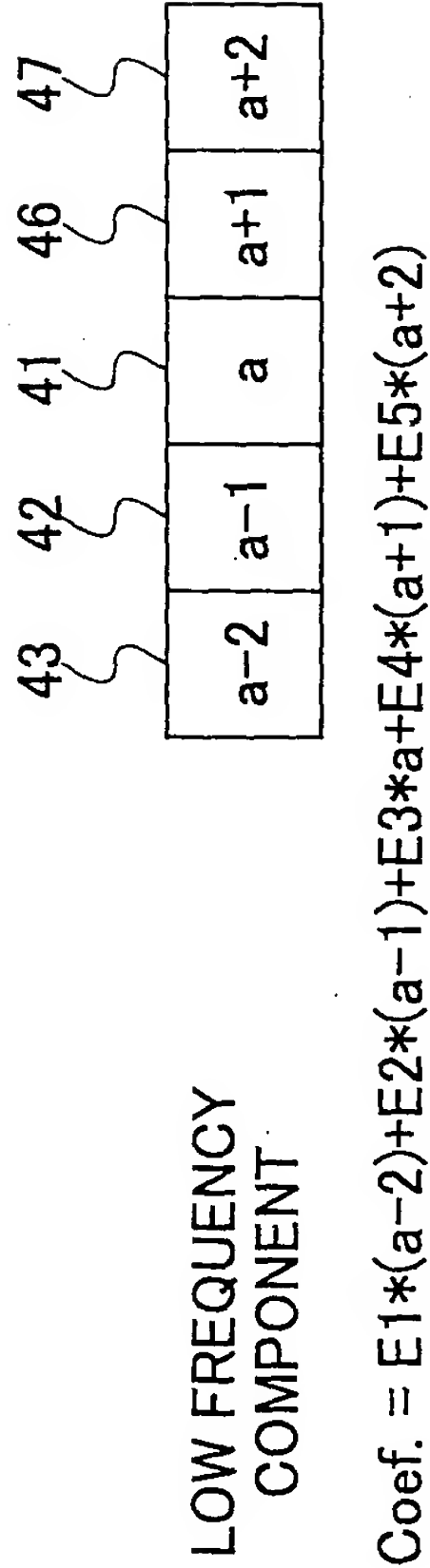


FIG. 16A

3-Level Wavelet Decomposition

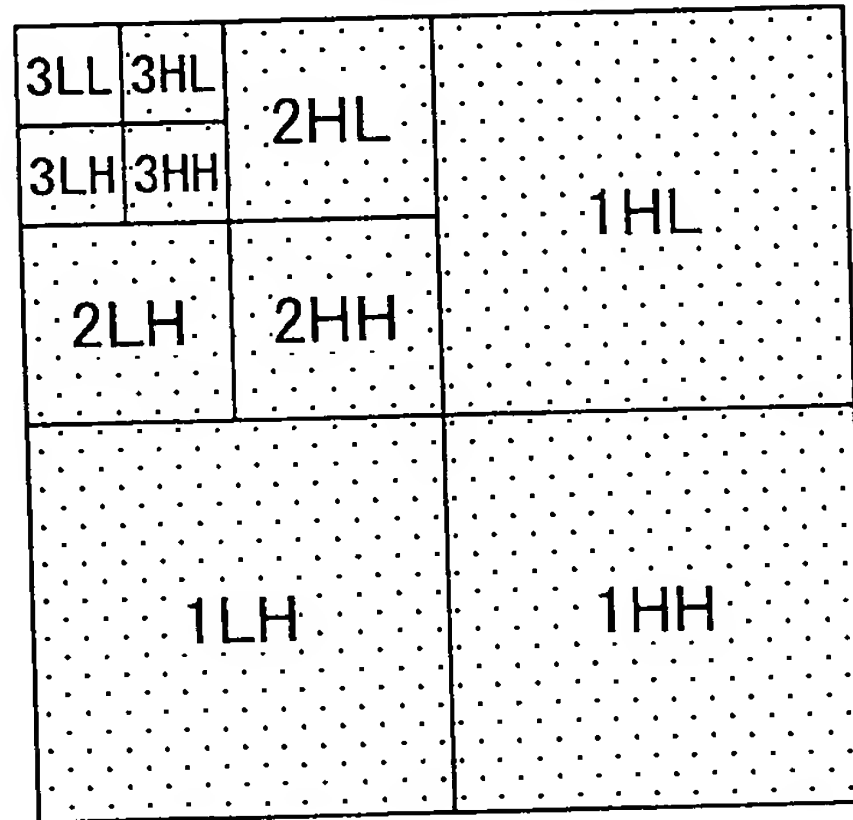


FIG. 16B

5-Level Wavelet Decomposition

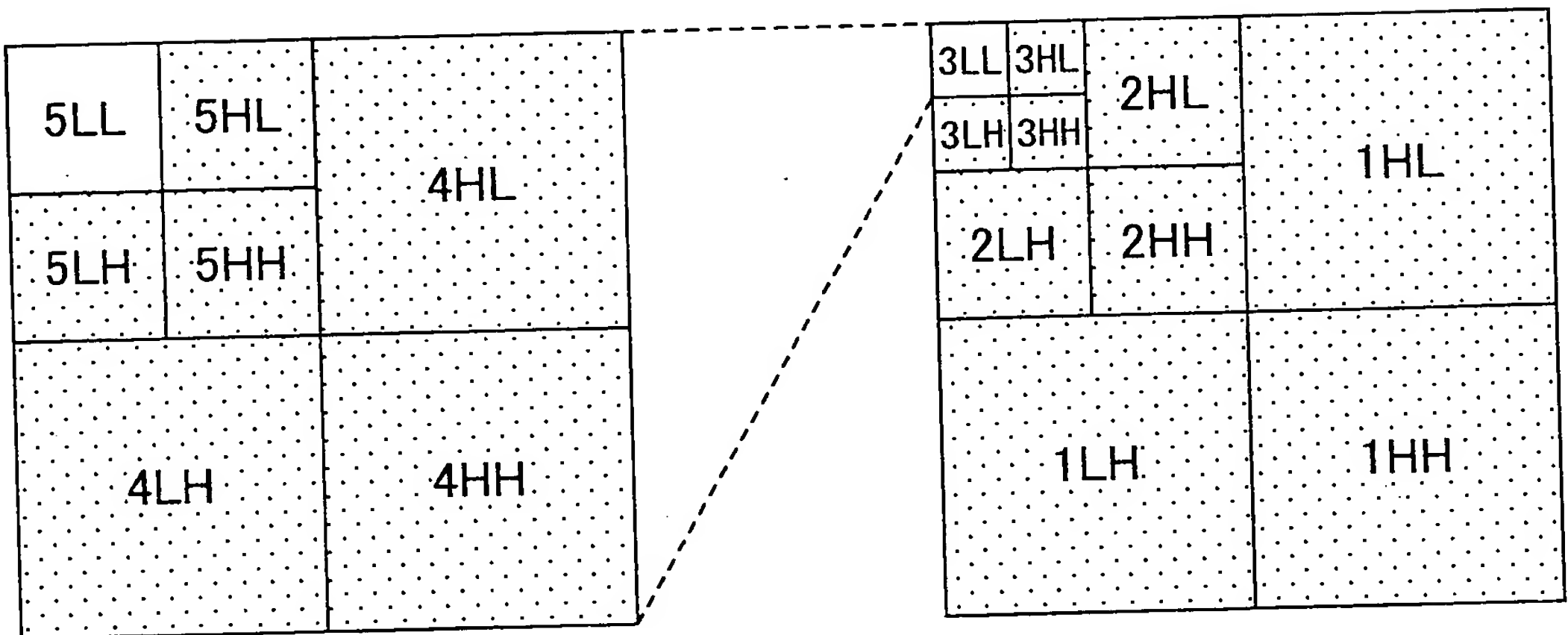


FIG.17

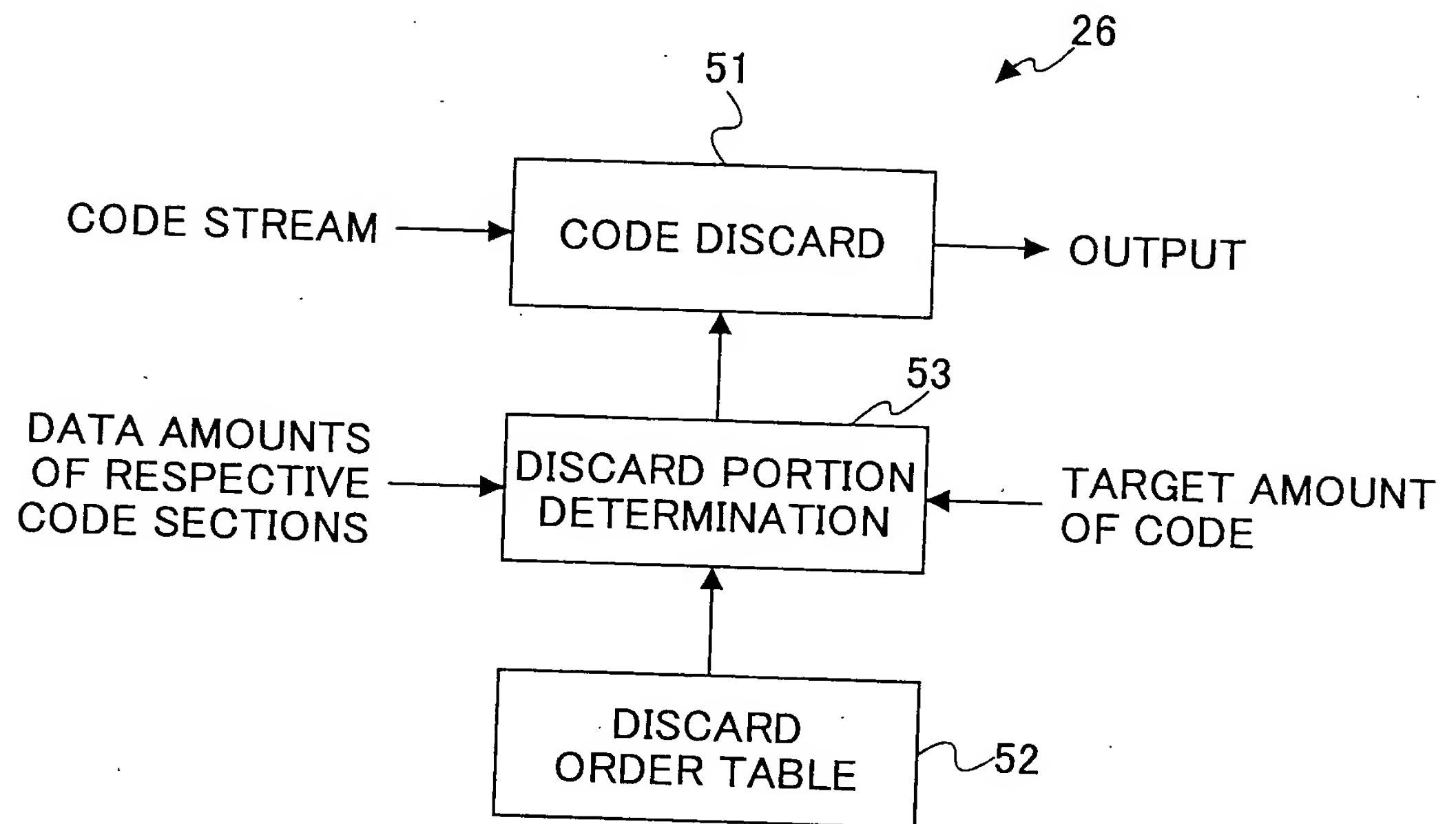


FIG.18

DISCARD PATTERN #	2LL	2HL	2LH	2HH	1HL	1LH	1HH
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	1
2	0	0	0	0	0	0	2
3	0	0	0	0	0	0	3
4	0	0	0	0	0	1	3
5	0	0	0	0	1	1	3
6	0	0	0	0	1	1	4
7	0	0	0	0	1	2	4
8	0	0	0	0	2	2	4
...

DISCARD ORDER TABLE

FIG.19

2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH
1LH	1LH	1LH	1LH	1LH	1LH	1LH	1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH

COEFFICIENTS OF 2-LEVEL WAVELET TRANSFORM

FIG.20A

0	1	2	3
4	5	6	7
8	9	10	11
12	13	14	15

COEFFICIENTS OF 2LL SUBBAND

FIG.20B

0	0	0	0
0	0	0	0
1	1	1	1
1	1	1	1

HIGHEST
BIT-PLANE

0	0	0	0
1	1	1	1
0	0	0	0
1	1	1	1

0	0	1	1
0	0	1	1
0	0	1	1
0	0	1	1

0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1

LOWEST
BIT-PLANE

4 BIT-PLANES OF 2LL SUBBAND

FIG.21

2LL	CODE OF THE HIGHEST BIT-PLANE
	...
	CODE OF THE LOWEST BIT-PLANE
2HL	CODE OF THE HIGHEST BIT-PLANE
	...
	CODE OF THE LOWEST BIT-PLANE
2LH	CODE OF THE HIGHEST BIT-PLANE
	...
	CODE OF THE LOWEST BIT-PLANE
2HH	CODE OF THE HIGHEST BIT-PLANE
	...
	CODE OF THE LOWEST BIT-PLANE
1HL	CODE OF THE HIGHEST BIT-PLANE
	...
	CODE OF THE LOWEST BIT-PLANE
1LH	CODE OF THE HIGHEST BIT-PLANE
	...
	CODE OF THE LOWEST BIT-PLANE
1HH	CODE OF THE HIGHEST BIT-PLANE
	...
	CODE OF THE LOWEST BIT-PLANE